

Claims

[c1] What is claimed is:

1. A peripheral device capable of being connected to an interface port on an electronic device host, the peripheral device comprising:

a housing;

an application module positioned at least partially inside the housing;

a storage module positioned inside the housing for storing a device driver of the application module; and

a hub controller positioned inside the housing, the hub controller being electrically connected to the application module and the storage module;

wherein when the hub controller is electrically connected to the interface port, the electronic device host is capable of retrieving the device driver stored by the storage module and running the device driver to operate the application module.

[c2] 2. The peripheral device of claim 1 wherein the interface port is a universal serial bus (USB) port, and the hub controller is a USB hub controller.

[c3] 3. The peripheral device of claim 1 wherein the storage

module is a personal disk, and the personal disk comprises a non-volatile memory for storing the device driver.

- [c4] 4. The peripheral device of claim 3 wherein the non-volatile memory is a flash memory.
- [c5] 5. The peripheral device of claim 1 wherein the application module is a WLAN module for accessing a network through wireless transmission.
- [c6] 6. The peripheral device of claim 1 further comprising a power controller electrically connected to the storage module and the application module for controlling if a predetermined voltage is delivered to the storage module to enable the storage module and controlling if the predetermined voltage is delivered to the application module to enable the application module.
- [c7] 7. The peripheral device of claim 6 wherein the predetermined voltage is outputted from the electronic device host through the interface port.
- [c8] 8. The peripheral device of claim 1 wherein the storage module is electrically connected to a first port of the hub controller, the application module is electrically connected to a second port of the hub controller, and the hub controller enables the first port before enabling the

second port.

- [c9] 9. The peripheral device of claim 1 wherein the interface port is an IEEE1394 port, and the hub controller is an IEEE1394 hub controller.
- [c10] 10. A method of driving a peripheral device, the peripheral device capable of being connected to an interface port on an electronic device host, the peripheral device comprising an application module, a storage module, and a hub controller, the method comprising:
connecting the peripheral device and the interface port;
enabling the hub controller for controlling data transmission among the application module, the storage module, and the electronic device host;
enabling the storage module;
utilizing the electronic device host for retrieving a device driver of the application module from the storage module through the hub controller; and
running the device driver to operate the application module.
- [c11] 11. The method of claim 10 further comprising:
controlling if a predetermined voltage is delivered to the storage module to enable the storage module; and
controlling if the predetermined voltage is delivered to the application module to enable the application module.

- [c12] 12. The method of claim 11 wherein the predetermined voltage is outputted from the electronic device host through the interface port.
- [c13] 13. The method of claim 10 wherein the interface port is an IEEE1394 port, and the hub controller is an IEEE1394 hub controller.
- [c14] 14. The method of claim 10 wherein the interface port is a universal serial bus (USB) port, and the hub controller is a USB hub controller.
- [c15] 15. The method of claim 10 wherein the storage module is a personal disk, and the personal disk comprises a non-volatile memory for storing the device driver.
- [c16] 16. The method of claim 15 wherein the non-volatile memory is a flash memory.
- [c17] 17. The method of claim 10 wherein the application module is a WLAN module for accessing a network through wireless transmission.
- [c18] 18. The method of claim 10 wherein the storage module is enabled before enabling the application module.
- [c19] 19. A peripheral device capable of being connected to an interface port of a host, the peripheral device compris-

ing:

a connector having a plurality of pins for connecting the interface port of the host;

a hub controller electrically connected to the connector;

an application module electrically connected to the hub controller; and

a storage module electrically connected to the hub controller for storing data.

[c20] 20. The peripheral device of claim 19 wherein the application module is a WLAN module, and the WLAN module comprises an antenna.

[c21] 21. The peripheral device of claim 19 further comprising an application interface and a storage interface, wherein the application module is electrically connected to the hub controller through the application interface, and the storage module is electrically connected to the hub controller through the storage interface.

[c22] 22. The peripheral device of claim 21 wherein the application module is a WLAN module, and the WLAN module comprises an antenna.

[c23] 23. The peripheral device of claim 21 wherein the application interface comprises a switch for controlling whether the application module is enabled.

[c24] 24. The peripheral device of claim 23 wherein the application module is a WLAN module, and the WLAN module comprises an antenna.

[c25] 25. The peripheral device of claims 20, wherein the interface port corresponds to a serial bus, and the hub controller comprises a first port electrically connected to the storage module and a second port electrically connected to the application module.

[c26] 26. A peripheral device capable of being connected to an interface port of a host, the peripheral device comprising:

a connector having a plurality of pins for connecting the interface port of the host;

a hub controller electrically connected to the connector;
and

a storage module electrically connected to the hub controller for storing data;

wherein the storage module stores a device driver of the peripheral device in advance, and the host retrieves the device driver from the storage module when the peripheral device is connected to the interface port for a first time.

[c27] 27. The peripheral device of claim 26 further comprising

an application module electrically connected to the hub controller for performing a predetermined operation.

[c28] 28. The peripheral device of claim 27 wherein the application module is a WLAN module, and the WLAN module comprises an antenna.

[c29] 29. The peripheral device of claim 27 further comprising an application interface and a storage interface, wherein the application module is electrically connected to the hub controller through the application interface, and the storage module is electrically connected to the hub controller through the storage interface.

[c30] 30. The peripheral device of claim 29 wherein the application module is a WLAN module, and the WLAN module comprises an antenna.

[c31] 31. The peripheral device of claim 29 wherein the application interface comprises a switch for controlling if the application module is enabled.

[c32] 32. The peripheral device of claim 31 wherein the application module is a WLAN module, and the WLAN module comprises an antenna.

[c33] 33. The peripheral device of claim 27, wherein the interface port corresponds to a serial bus, and the hub con-

troller comprises a first port electrically connected to the storage module and a second port electrically connected to the application module.

[c34] 34. The peripheral device of claim 33 wherein when the peripheral device is connected to the interface port of the host, the host is first electrically connected to the storage module through the first port of the hub controller, and then the host is electrically connected to the application module through the second port of the hub controller.

[c35] 35. A data access system comprising:
an electronic device host; and
a peripheral device capable of being connected to an interface port of the electronic device host, the peripheral device comprising:
a housing;
an application module for accessing data;
a storage module positioned inside the housing; and
a hub controller positioned inside the housing, the hub controller being electrically connected to the application module and the storage module;
wherein when the hub controller is electrically connected to the interface port, the electronic device host is capable of retrieving the data through the hub controller, and the electronic device host is capable of transferring the

data to the storage module through the hub controller for storing the data in the storage module.

- [c36] 36. The data access system of claim 35 wherein the application module is a WLAN module, and the storage module is a personal disk.